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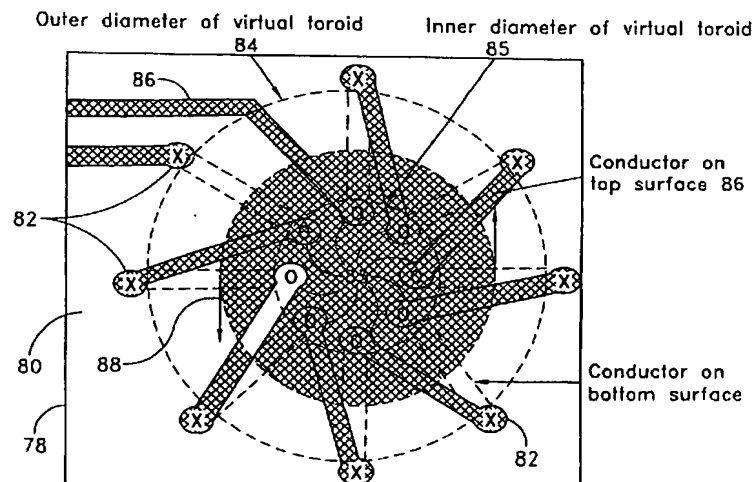
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(54) Title: ELECTRONIC TRANSFORMER/INDUCTOR DEVICES AND METHODS FOR MAKING SAME

A virtual toroid core energized by an 8 turn winding



(X) Via with current into hole (O) Via with current out of hole

(57) Abstract: The present invention relates to transformer inductor devices and to the methods of construction for inductive components such as inductors, chokes, and transformers. Plural via holes 12 are formed through a ferromagnetic substrate 10. Primary 32 and secondary 34 conductors are placed through common vias to form a plurality of cell transformers having a 1:1 turns ratio. Circuits connect these primary and secondary winding in parallel and serial combustion to provide a transformer having the desired turns ratio.

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